Environmental Health Services Division

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Significant Code Provisions

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In an effort to clarify the application of certain code provisions and permit/inspection processes, the following items may prove helpful to designers and installers. Please see our website at http://www.kingcounty.gov/healthservices/health/ehs/plumbing/guidelines.aspx for additional information.

Subject	Code Provision
PLUMBING / GAS	The stamped/approved plans from the building department must be
Approved plans available at time of	available on the job site at the time of all inspections. Additionally, any
inspection	plans that have been submitted for review to Public Health (food service
	establishments, water reuse, medical gas, etc.) must also be available
	during inspection.
PLUMBING	Riser diagrams of the drain, waste and vent (DWV) system are required
DWV riser diagrams required for	for buildings in excess of 3-stories. There is no fee for this review at this
buildings exceeding 3-stories	time. The diagrams may be submitted at any time after plumbing permit
	issuance, but prior to inspection. This will allow opportunity to verify
	proper venting and suds relief provisions for high-rise installations.
PLUMBING	Bathtubs, whirlpool bathtubs, public lavatories and bidets require
Hot water temperature limitations	temperature limiting by means of a mixing valve that conforms to ASSE
	1070 or CSA B125.3. This can be either a separate mixing valve or
See	integral to the faucet, in which case the faucet must conform to the ASSE
"Water Temperature Limiting Devices	1070 or CSA B125.3 product standard. Gang showers, when supplied by
<u>Chart</u> "	a single temperature-controlled supply pipe, shall be limited by means of
and	a device that conforms to ASSE 1069. Keep in mind that shower and tub-
"Control Valve Requirements for	shower combination fixture fittings must conform to ASSE 1016 (see
Showers and Combination	below for information regarding claw-foot bathtubs). Bidets shall be
Bathtub/Showers, Including Claw-	limited to a maximum of 110°F, while the other fixtures listed herein shall be limited to a maximum of 120°F. In all cases the water heater
Foot Bathtubs and Showers"	controls shall not be a suitable means for limiting the water temperature.
on our website.	Note: Some products have multiple listings. For instance, a product can
	be listed to ASSE 1017, ASSE 1069 and ASSE 1070. Check the
	manufacturer's installation instructions regarding location of the valve.
	The inspector will look for the approved device whether it is located at
	the water heater, at the point of use, or anywhere in between.
PLUMBING	Where a claw-foot bathtub includes a fixed shower riser, the fixture
Temperature limit for claw-foot	fitting (faucet) must conform to ASSE 1016 as would a typical shower or
bathtubs	combination bathtub/shower faucet. Shower valves conforming to ASSE
See "Water Temperature Limiting	1016 will incorporate a set-screw or cam that limits the travel of the flow
Devices Chart" and "Control Valve	control handle and must be adjusted by the installer to limit the
Requirements for Showers and	temperature to no more than 120°F. Bathtub filler valves with or without
Combination Bathtub/Showers,	handheld shower attachments would require a temperature limiting
Including Claw-Foot Bathtubs and	device conforming to ASSE 1070 as explained above. Note: Typical 2-
Showers" on our website.	handle shower control valves with hot on the left and cold on the right
	do not meet this requirement and are not approved.

GAS	(1) Level 1 and Level 2 medical gas systems require plans to be
Medical gas systems	submitted for review prior to permit issuance. Level 3 systems do not
See "Medical Gas Permit and Review	require plan review.
<u>Memo</u> " and " <u>Medical Gas Piping</u>	(2) Medical gas systems in veterinary clinics do require a medical gas
<u>Installer Test Form</u> " on our website.	permit as a Level 3. While <i>NFPA 99C</i> does not identify veterinary clinics
	as a health care facility, Section 3006.1 of the International Fire Code as
	adopted and amended by the State of Washington mandates that compressed gas systems for veterinary uses comply with Chapter 13 of
	the <i>Uniform Plumbing Code</i> (which includes <i>NFPA 99C</i>).
GAS	Fuel gas piping installed downstream of the point of delivery (typically
Fuel gas piping in townhouses	the gas supply meter) shall not extend through any townhouse unit other
	than the unit served by such piping. A townhouse is defined as a single-
	family dwelling unit constructed in a group of three or more attached
	units in which each unit extends from foundation to roof and with a yard
CAS	or public way on at least two sides. CSST gas piping systems shall be bonded to the electrical service
GAS Electrical bonding of Corrugated	grounding electrode system. An approved bonding/pipe clamp shall be
Stainless Steel (CSST) gas tubing	accessibly located on the metallic gas pipe downstream of the gas meter
See "Electrical Bonding of	and ahead of the transition to CSST. The bonding jumper shall be a
Corrugated Stainless Steel Tubing in	minimum 6 AWG copper wire connecting from the clamp to the
<u>Fuel Gas Systems</u> " on our website.	electrical service grounding electrode system either at the electrical panel
	grounding bus bar or the grounding rod electrode serving the electrical
	panel. Bonding to a separate grounding rod or metal piping system is not
	acceptable. This bonding requirement is standard for typical yellow-jacketed CSST.
PLUMBING	(1) Construction plans for food service establishments are reviewed by
Food service establishments	the food service section of Public Health. This review includes a review
	by the plumbing inspection section. Always refer to the approved plans
	and associated plan review documents prior to installation.
	(2) In food service establishments where grease may be introduced into
	the sewer, grease interception shall be required.
	(3) Fixtures that are used for food preparation or storage, or for storage of unpackaged ice used for human consumption, are required to be
	indirectly connected to the drainage system. All other fixtures shall be
	directly connected unless first approved by the plumbing inspection
	section.
PLUMBING	Chapter 16 of the 2009 Uniform Plumbing Code addresses water reuse
Rainwater harvesting systems	systems. This chapter has been amended in its entirety by the State of
See " <u>Water Reuse Permit and Review</u>	Washington. Plans are required for review by Public Health prior to
<u>Memo</u> " on our website.	permit issuance. The plan review fee is currently \$140, and the plumbing permit fee is required at the time of issuance based on the number of
	fixtures served by the system.
PLUMBING	There are some revisions to the horizontal wet venting provisions of the
Horizontal wet venting for	2009 <i>Uniform Plumbing Code</i> from the previous edition, and the Circuit
bathroom groups and Circuit	Venting provisions in Appendix L are acceptable in this jurisdiction. See
Venting	"Bathroom (Horizontal) Wet Venting" and "Circuit Venting" documents
	on our website.
PLUMBING	Group R-2 buildings (apartments, hotels, etc.) with central hot water service shall require domestic hot water meters to allow for hot water
Domestic hot water meters	billing based on actual hot water usage. This is a requirement of the 2009
	Energy Code, Section 1446.
	Lifetgy Code, Deciloit 1770.